CLAIMS

What is claimed is:

1	1. A wireless communications network comprising:
2	at least one network cell;
3	a base transceiver station (BTS) in each said network cell;
4	a plurality of Mobile Subscriber (MS) units, said MS units in each said
5	network cell communicating wirelessly with said BTS; and
6	a position location receiver in at least one MS unit, said at least one MS
7	unit being a positioned MS unit selectively providing located reception
8	measurements to said BTS, located reception measurements including a current
9	MS unit location with current signal reception measurements.
1	2. A wireless communications network as in claim 1, wherein said at least
2	one cell is a plurality of cells, said at least one positioned MS unit is a plurality of
3	positioned MS units providing current location signal reception measurements to
4	a local said BTS at a selected time.
1	3. A wireless communications network as in claim 2, wherein said local
2	BTS selects said selected time.
1	4. A wireless communications network as in claim 1, wherein said position
2	location receiver is a Global Positioning System (GPS) receiver.
1	5. A wireless communications network as in claim 1, further comprising a
2	reception level database predicting reception levels at locations within each said
3	network cell, said network updating said reception level database responsive to
4	said located reception measurements.
1	6. A wireless communications network as in claim 1, wherein said BTS
2	provides location specific information to said positioned MS unit.
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1	7. A wireless communications network as in claim 6, said location specific
2	information indicating local commercial activities.
. 1	8. A wireless communications network as in claim 6, said location specific
2	information indicates local hazards.
1	9. A wireless communications network as in claim 6, said location specific
2	information being provided as short message service (SMS) messages.
1	10. A wireless communications network as in claim 1, said wireless
2	communications network is a Global System for Mobile Communication (GSM)
3	network.
1 :	11. A wireless communications network comprising:
2	a plurality of network cells distributed over a wireless communications
3	network coverage area;
4	a base transceiver station (BTS) serving each of said plurality of network
5	cells;
6	a plurality of Mobile Subscriber (MS) units in each of said plurality of
7	network cells;
8	a positioned MS unit in ones of said plurality of network cells, said
9	positioned MS unit including a position location receiver locating the global
0	position of said positioned MS unit; and
11	each said positioned MS unit providing located reception measurements
12	to a local said BTS, located reception measurements including a MS unit current
13	location with current signal reception measurements.
1	12. A wireless communications network as in claim 11, further comprising a
2	reception level database predicting reception levels at locations within said
3	wireless communications network coverage area, said network updating said
4	reception level database responsive to said located reception measurements.

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1	13. A wireless communications network as in claim 11, wherein said plurality
2	of MS units comprise a Personal Digital Assistant (PDA) with wireless
3	connectivity, a cellular phone, a notebook computer, a tablet computer and a text
4	messaging device.
1	14. A wireless communications network as in claim 11, wherein said local
2	BTS in ones of said plurality of network cells selectively provide location
3	specific information to selected positioned MS units.
1.	15. A wireless communications network as in claim 14, wherein said location
2	specific information indicates local commercial activities.
.1	16. A wireless communications network as in claim 14, wherein said location
2	specific information indicates local hazards.
1	17. A wireless communications network as in claim 14, wherein said location
2	specific information being provided as short message service (SMS) messages.
1	18. A wireless communications network as in claim 11, wherein said wireless
2	communications network is a Global System for Mobile Communication (GSM)
3	network and at least one said positioned MS unit includes a Global Positioning
4	System (GPS) receiver, said GPS receiver being said position location receiver.
1	19. A method of managing a wireless communications network, said method
2	comprising the steps of:
3	a) measuring signal reception level at a Mobile Subscriber (MS) unit;
4	b) locating the position of said MS unit;
5	c) providing measured said reception level and said located position
6	to a base transceiver station (BTS); and
7	d) returning to measuring step (a) at a selected time.

- 1 20. A method of managing a wireless communications network as in claim
- 2 19, wherein said selected time in step (d) is selected by said BTS.
- 1 21. A method of managing a wireless communications network as in claim
- 2 19, wherein said selected time in step (d) is automatically selected.
- 1 22. A method of managing a wireless communications network as in claim
- 2 19, wherein before step (d) said method further comprises the step of:
- 3 c1) updating predicted reception levels in a reception level database
- 4 responsive to a located said position and said signal reception measurements from
- 5 said MS unit.
- 1 23. A method of managing a wireless communications network as in claim
- 2 19, wherein before step (d) said method further comprises the step of:
- providing location specific information from said BTS to said MS
- 4 unit.
- 1 24. A method of managing a wireless communications network as in claim
- 2 23, wherein said location specific information indicates commercial activities
- 3 local to said MS unit.
- 1 25. A method of managing a wireless communications network as in claim
- 2 19, wherein said location specific information indicates local hazards.
- 1 26. A method of managing a wireless communications network as in claim
- 2 19, wherein said location specific information is provided as short message
- 3 service (SMS) messages.